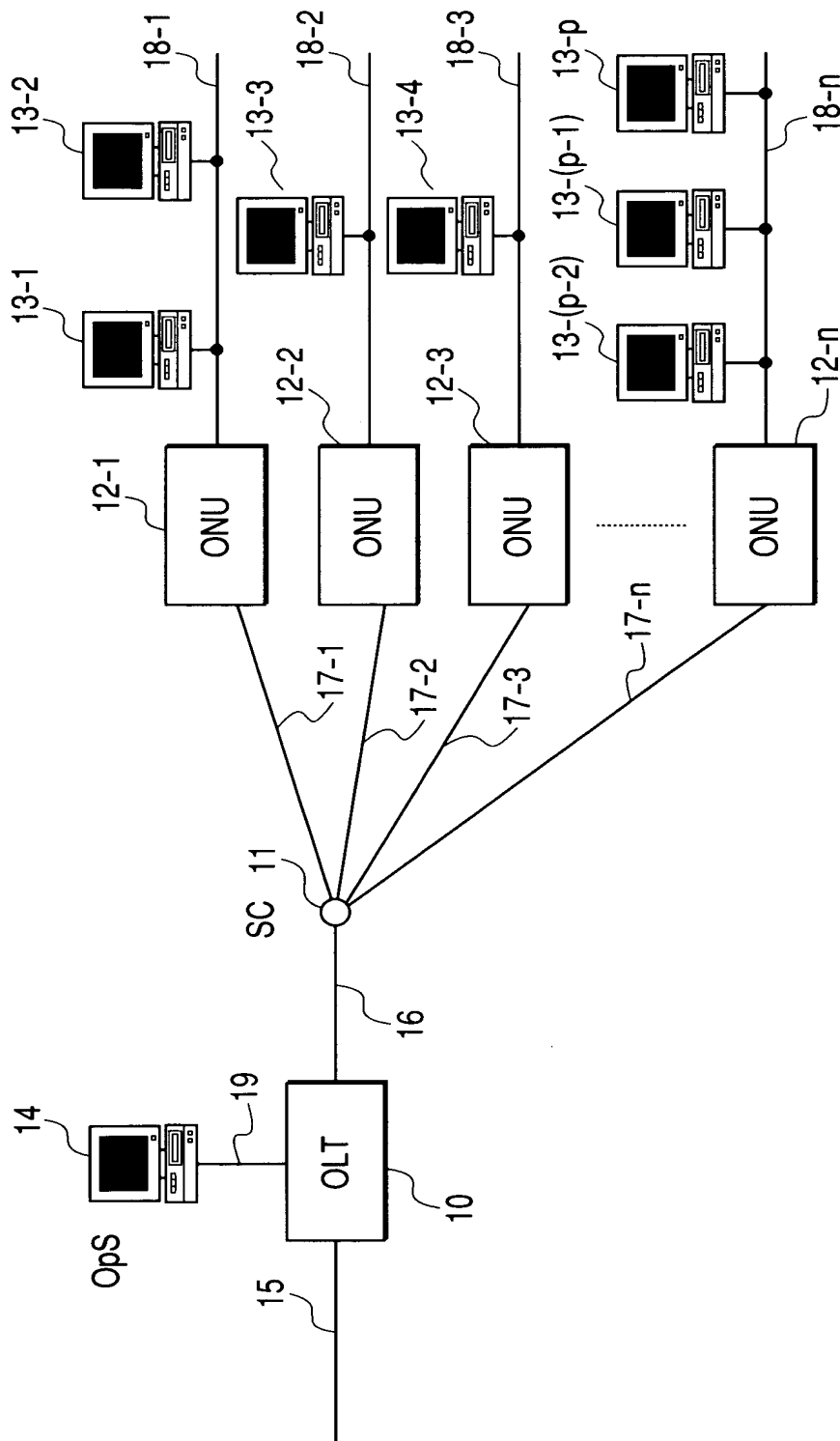


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FIG. 1 (PRIOR ART)



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FIG. 2

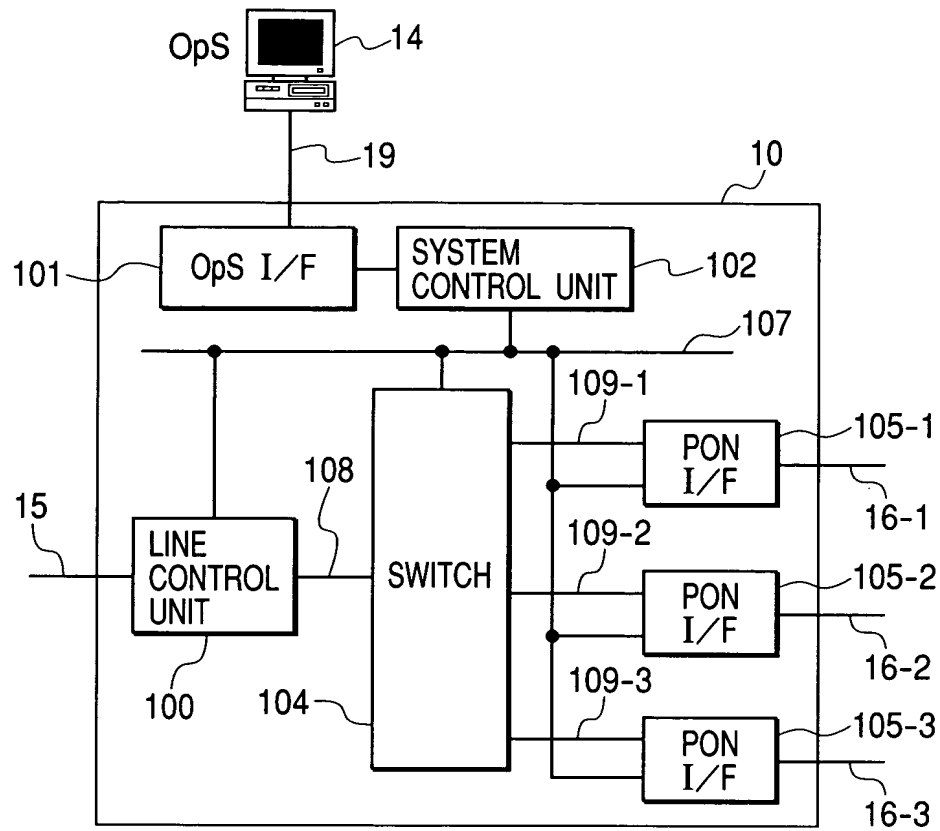
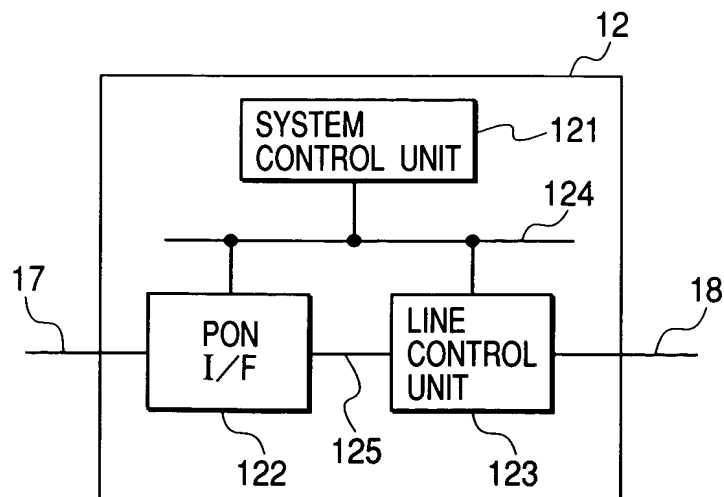
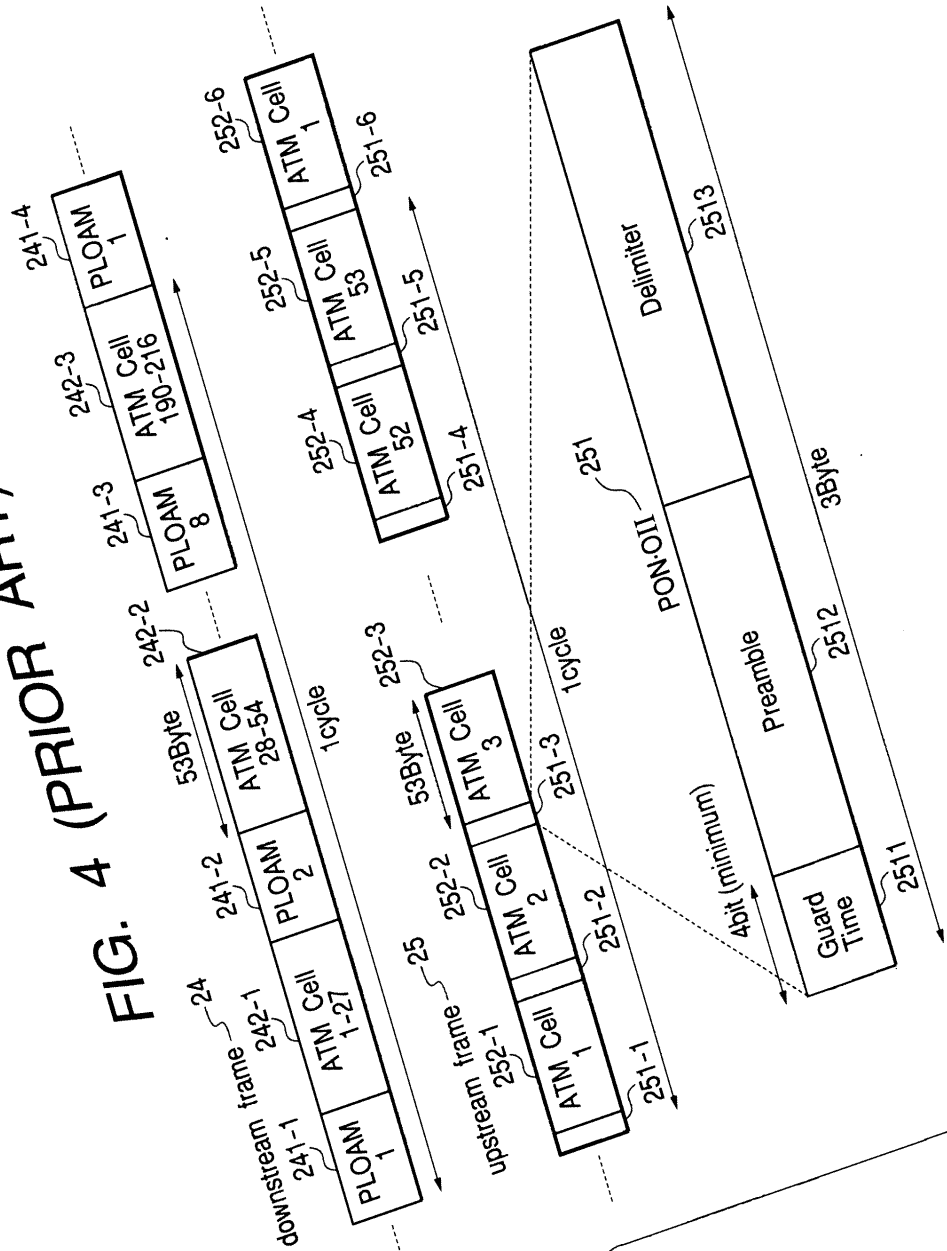


FIG. 3



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FIG. 4 (PRIOR ART)



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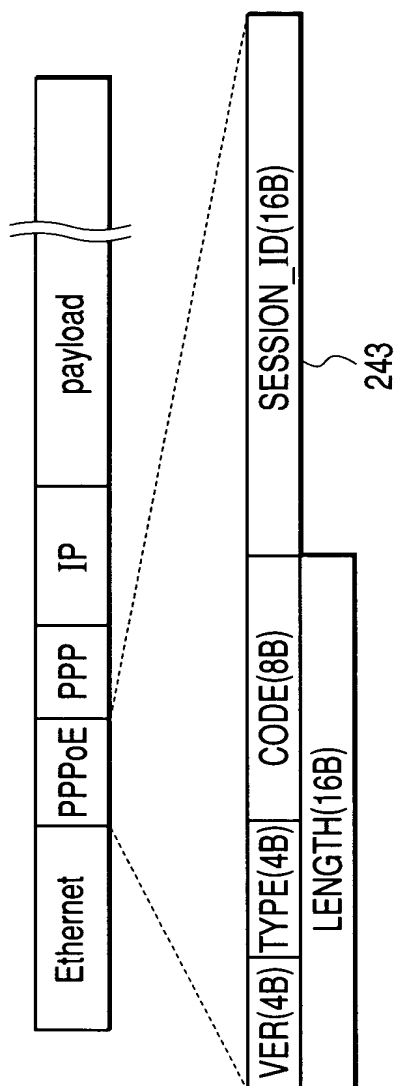
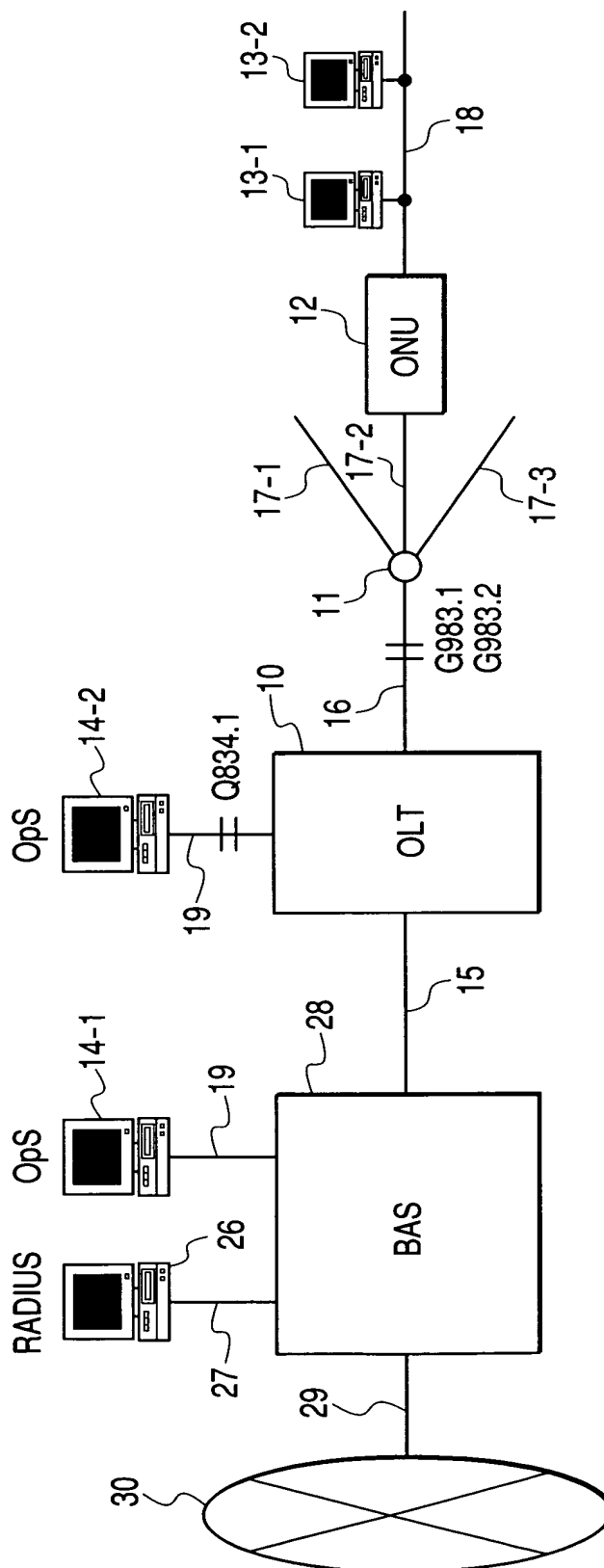


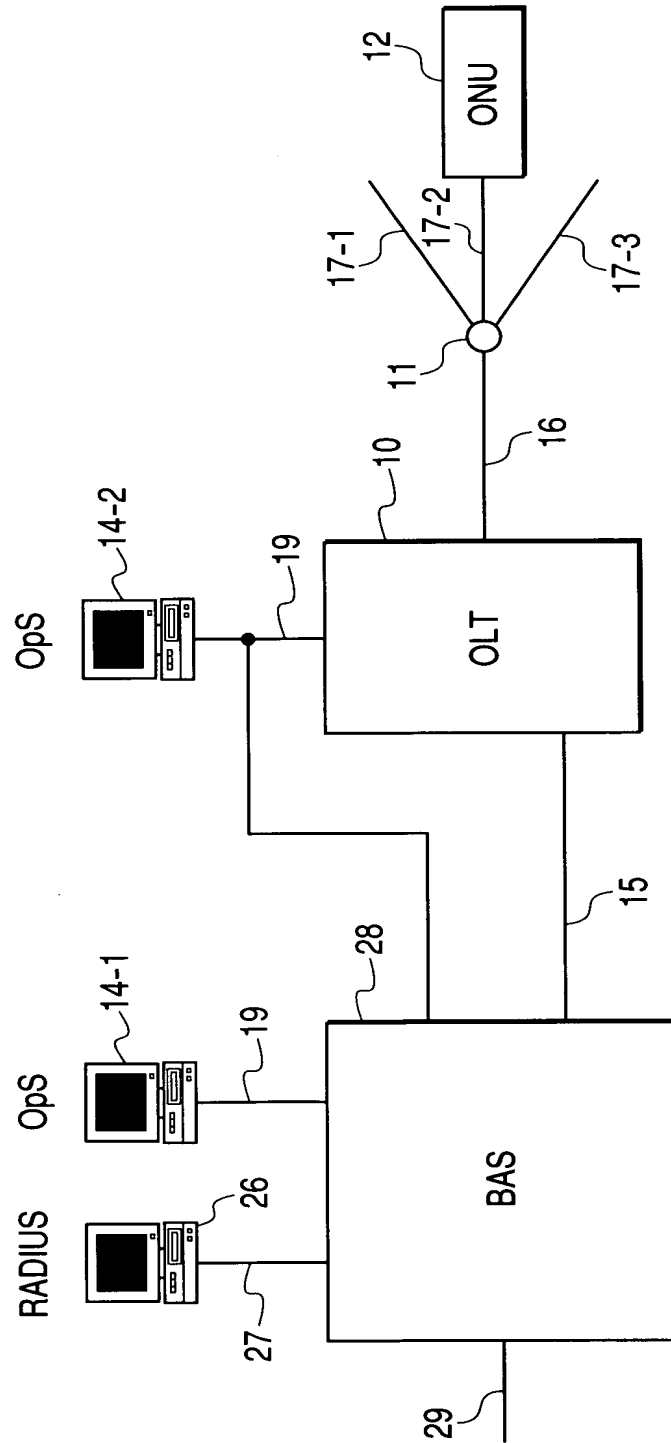
FIG. 5

FIG. 6



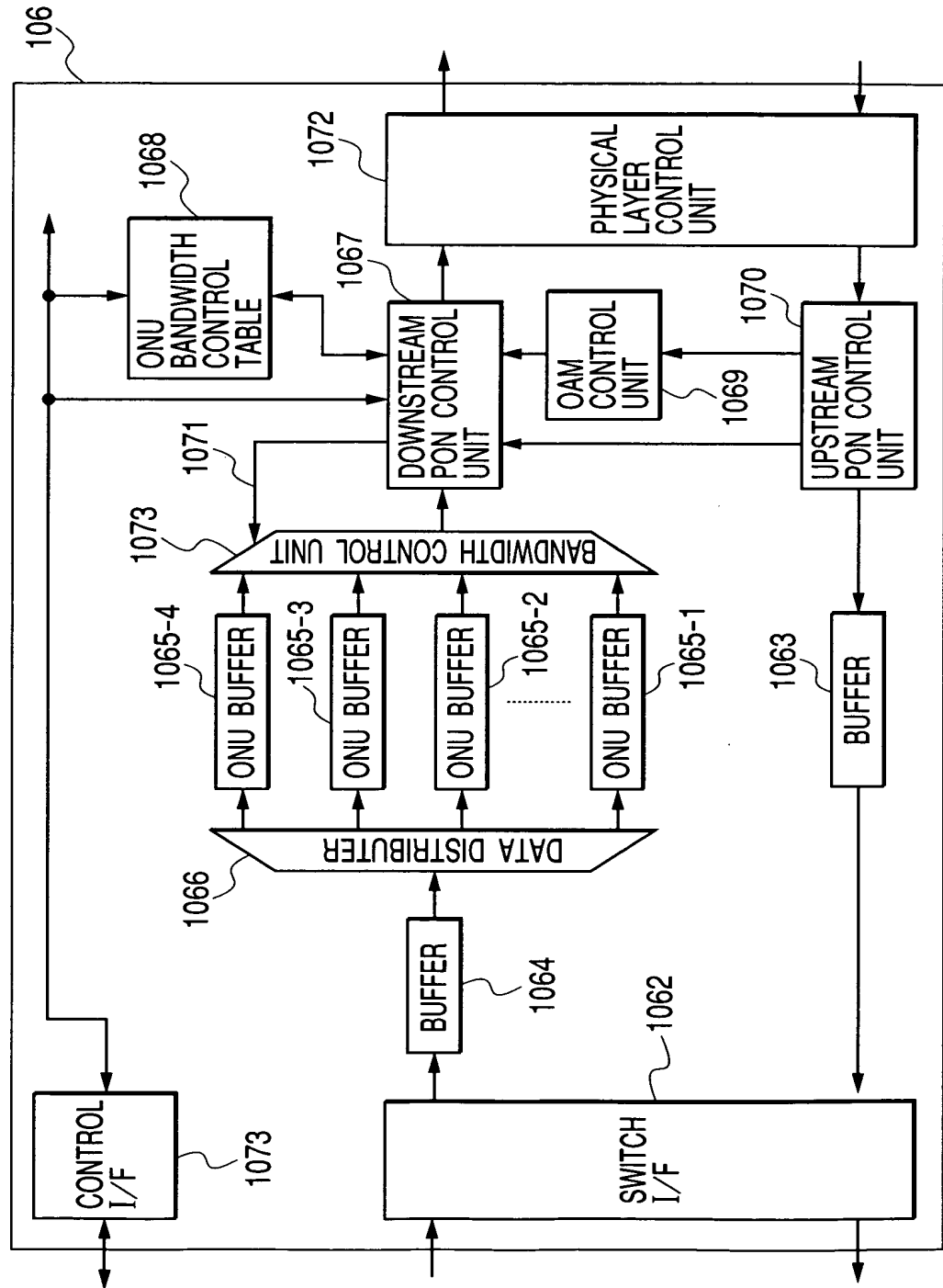
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FIG. 8



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FIG. 10



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FIG. 11

ONU'S MAC ADDRESS	UPSTREAM BANDWIDTH	DOWNSTREAM BANDWIDTH
a1:b1:c1:d1:e1:f1:g1	1	1
a2:b2:c2:d2:e2:f2:g2	1	1
a3:b3:c3:d3:e3:f3:g3	2	2
a4:b4:c4:d4:e4:f4:g4	3	3
a5:b5:c5:d5:e5:f5:g5	1	1
a6:b6:c6:d6:e6:f6:g6	2	2
⋮	⋮	⋮
am:bm:cm:dm:em:fm:gm	Z	P

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FIG. 12

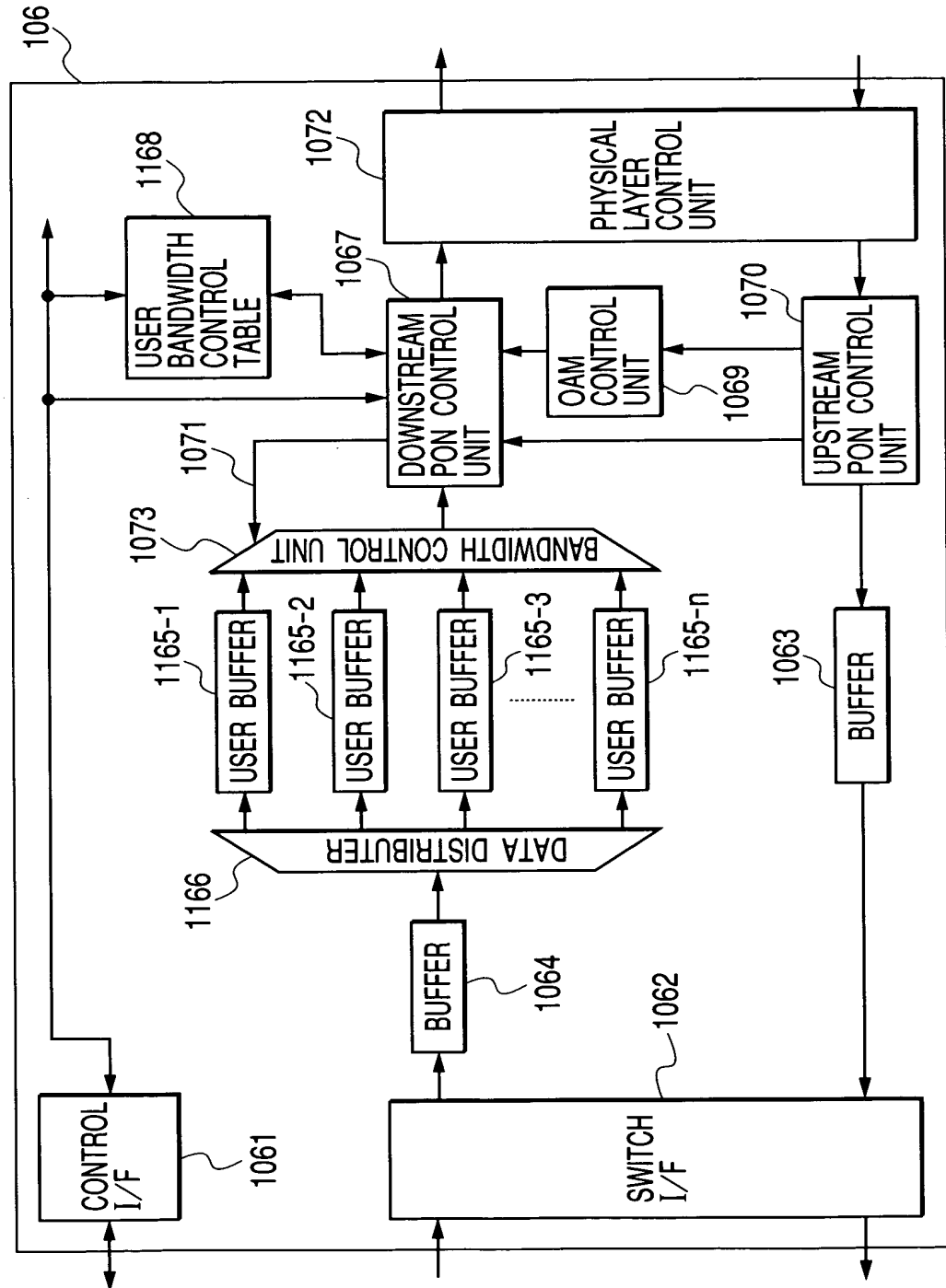
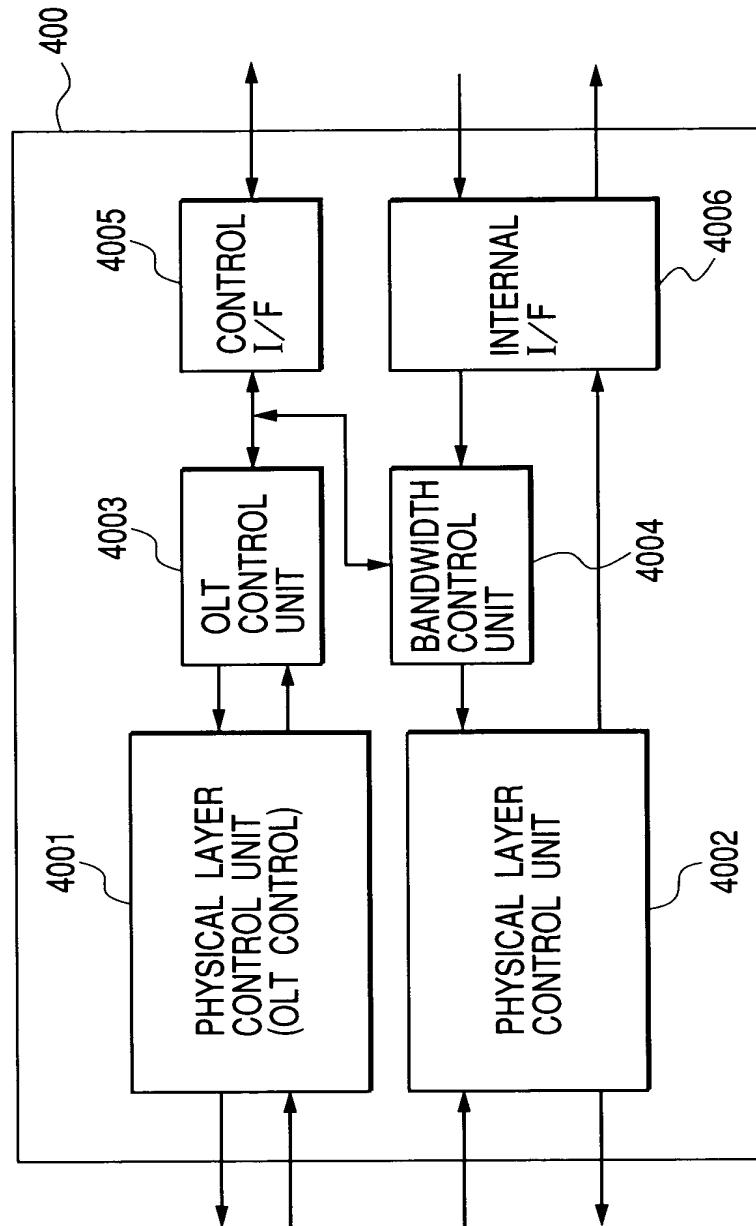


FIG. 13

ONU'S MAC ADDRESS	UPSTREAM BANDWIDTH	SESSION ID	DOWNSTREAM BANDWIDTH
a1:b1:c1:d1:e1:f1:g1	1	1	10
a2:b2:c2:d2:e2:f2:g2	1	2	2
a3:b3:c3:d3:e3:f3:g3	2	3	1
a4:b4:c4:d4:e4:f4:g4	3	4	0
a5:b5:c5:d5:e5:f5:g5	1	5	2
a6:b6:c6:d6:e6:f6:g6	2	6	3
⋮	⋮	⋮	⋮
am:bm:cm:dm:em:fm:gm	Z	m	X

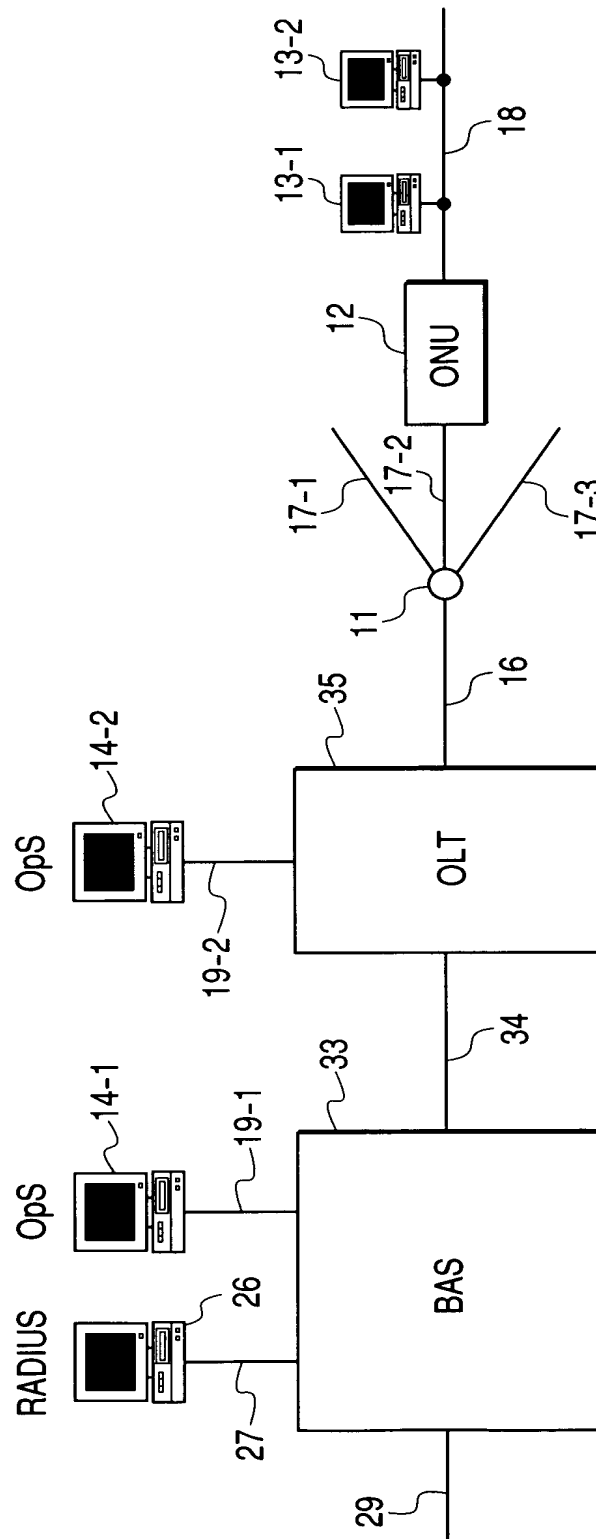
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FIG. 14



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FIG. 15



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FIG. 17

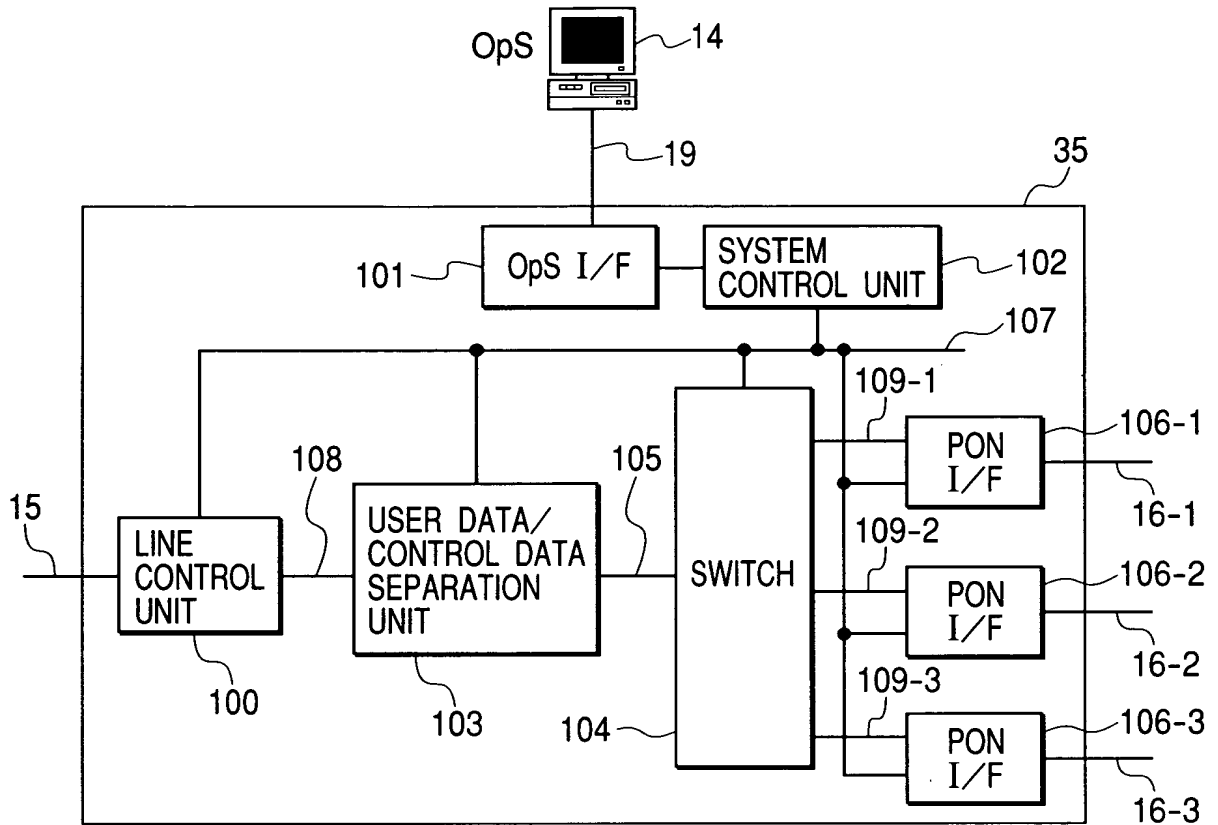
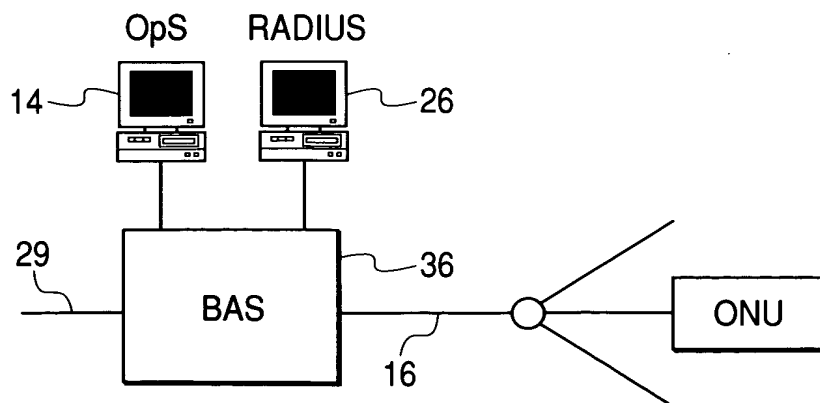
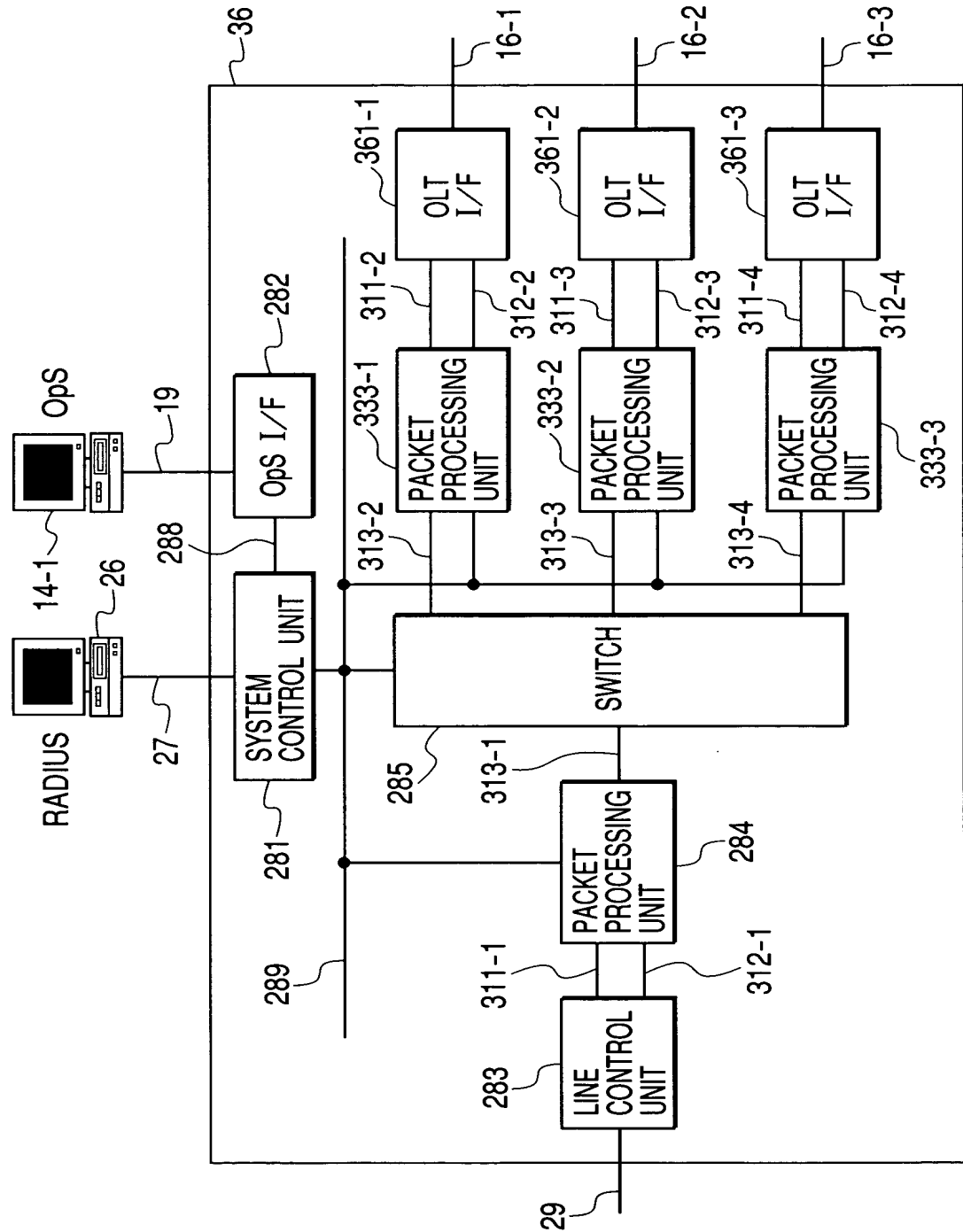


FIG. 18



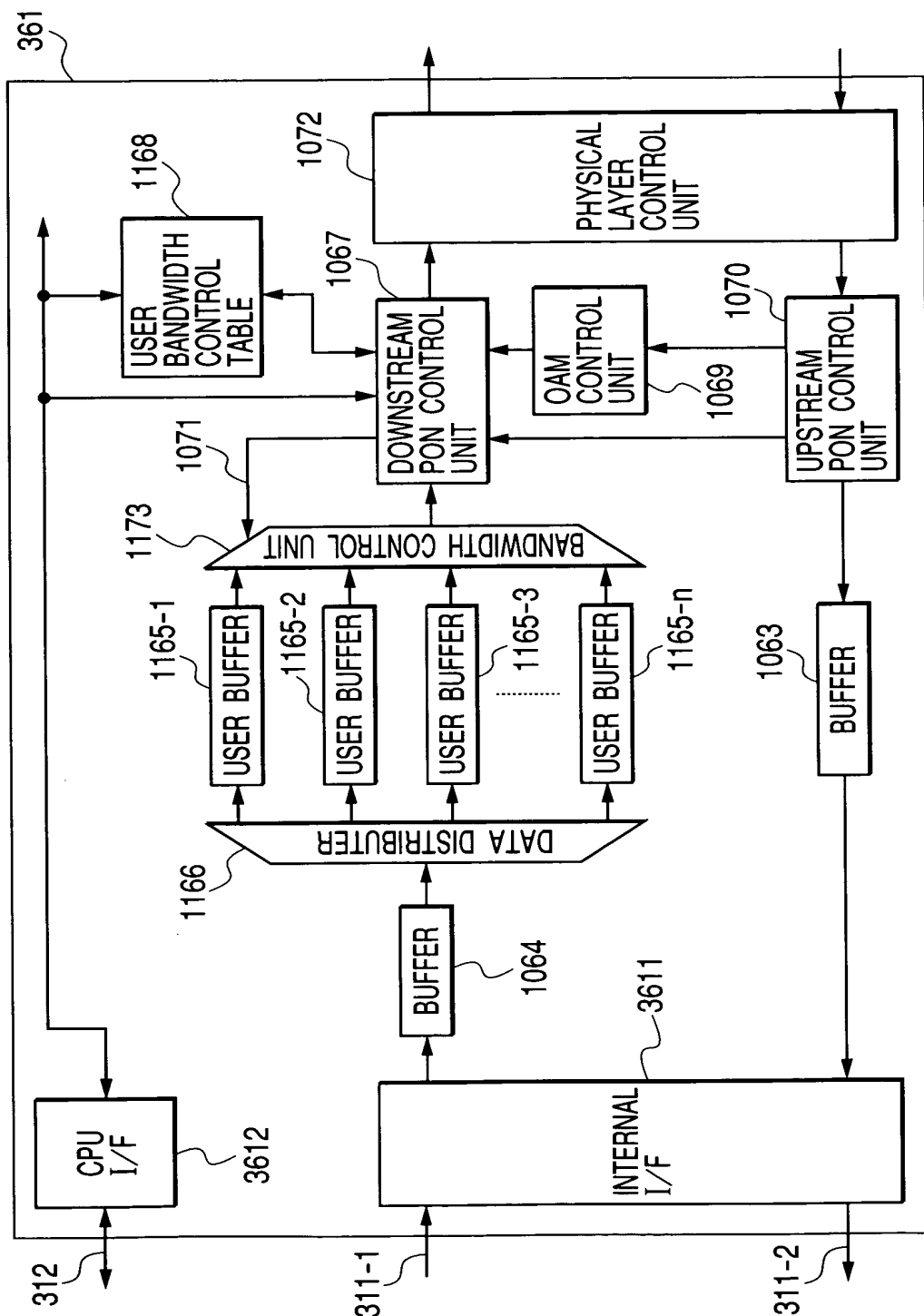
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FIG. 19



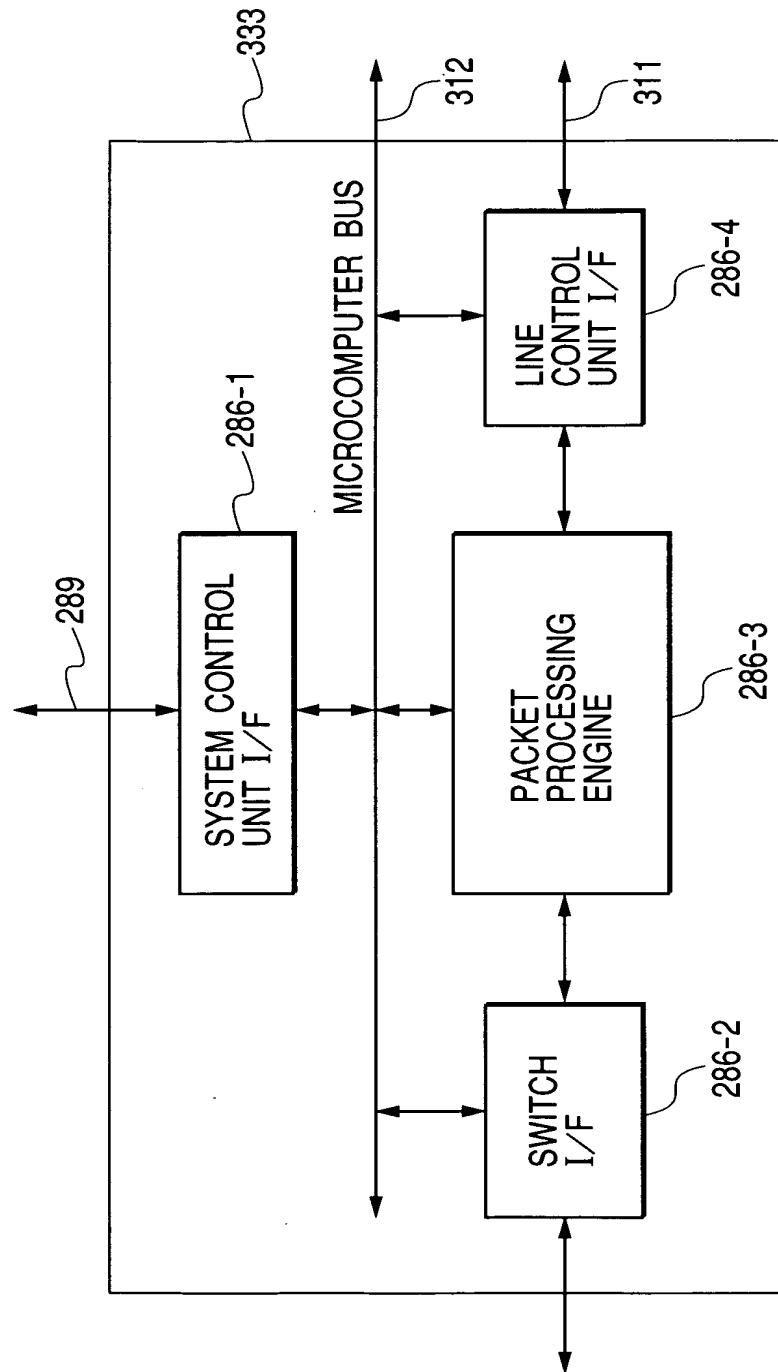
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FIG. 20



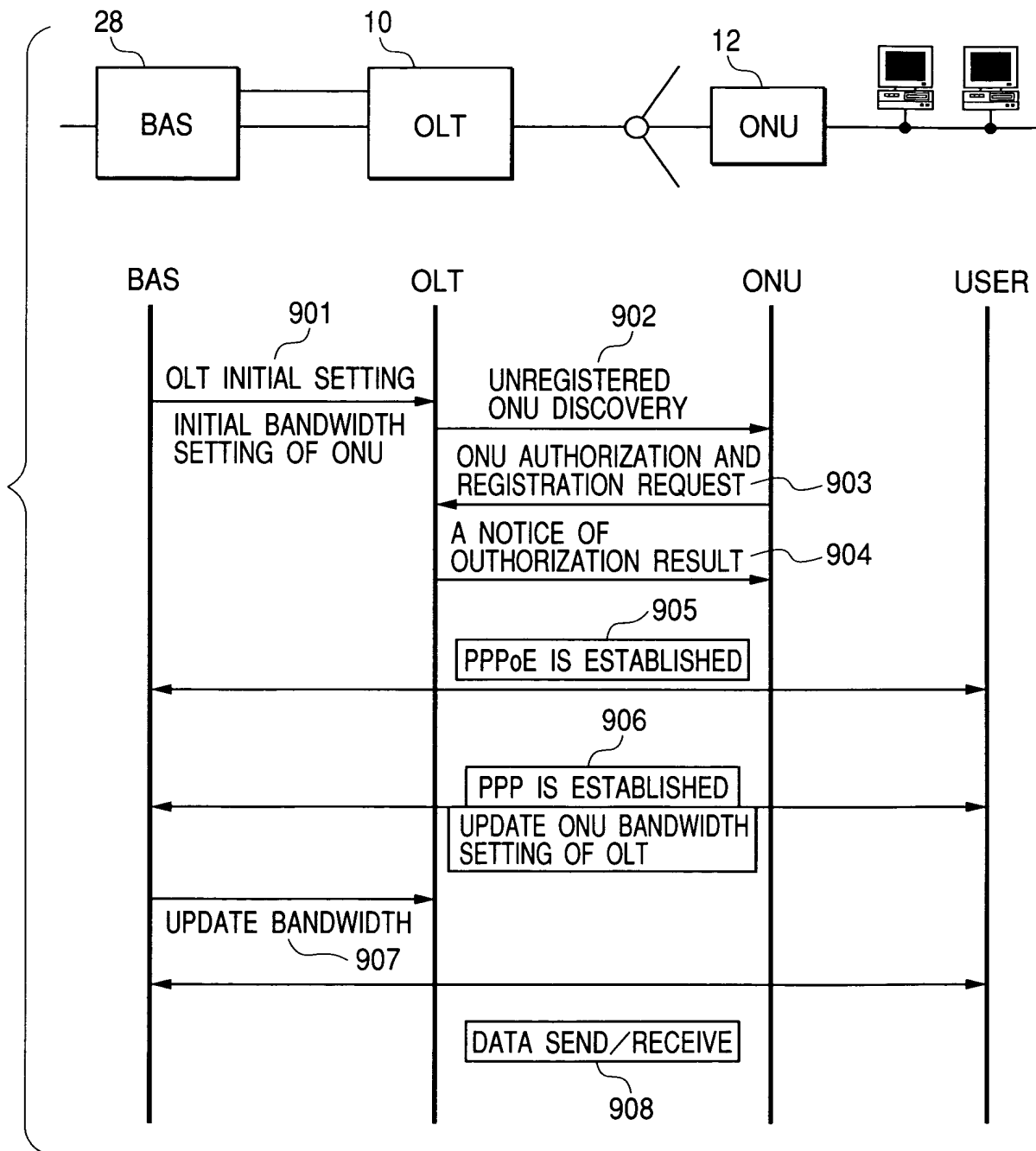
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FIG. 21

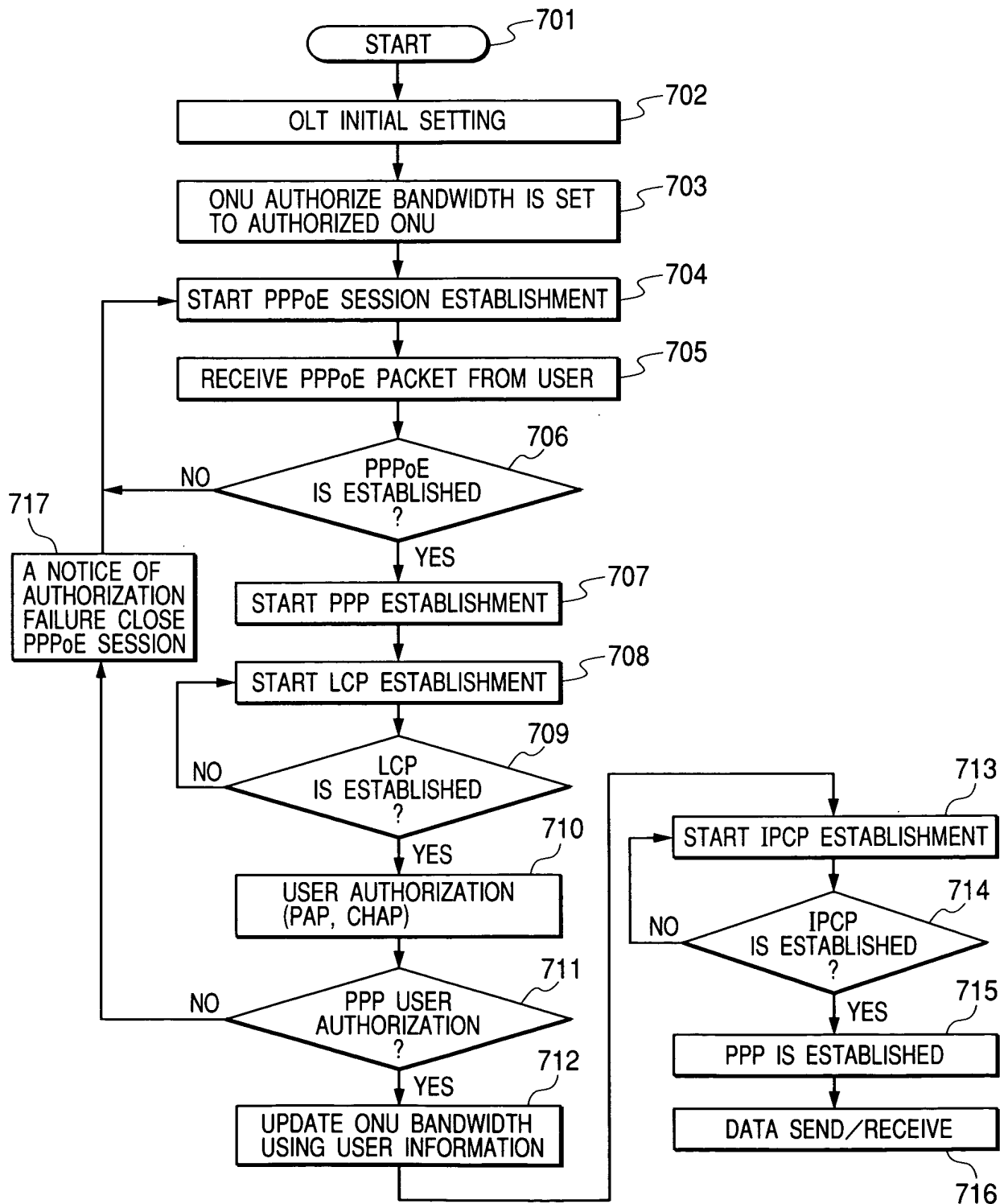


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FIG. 22

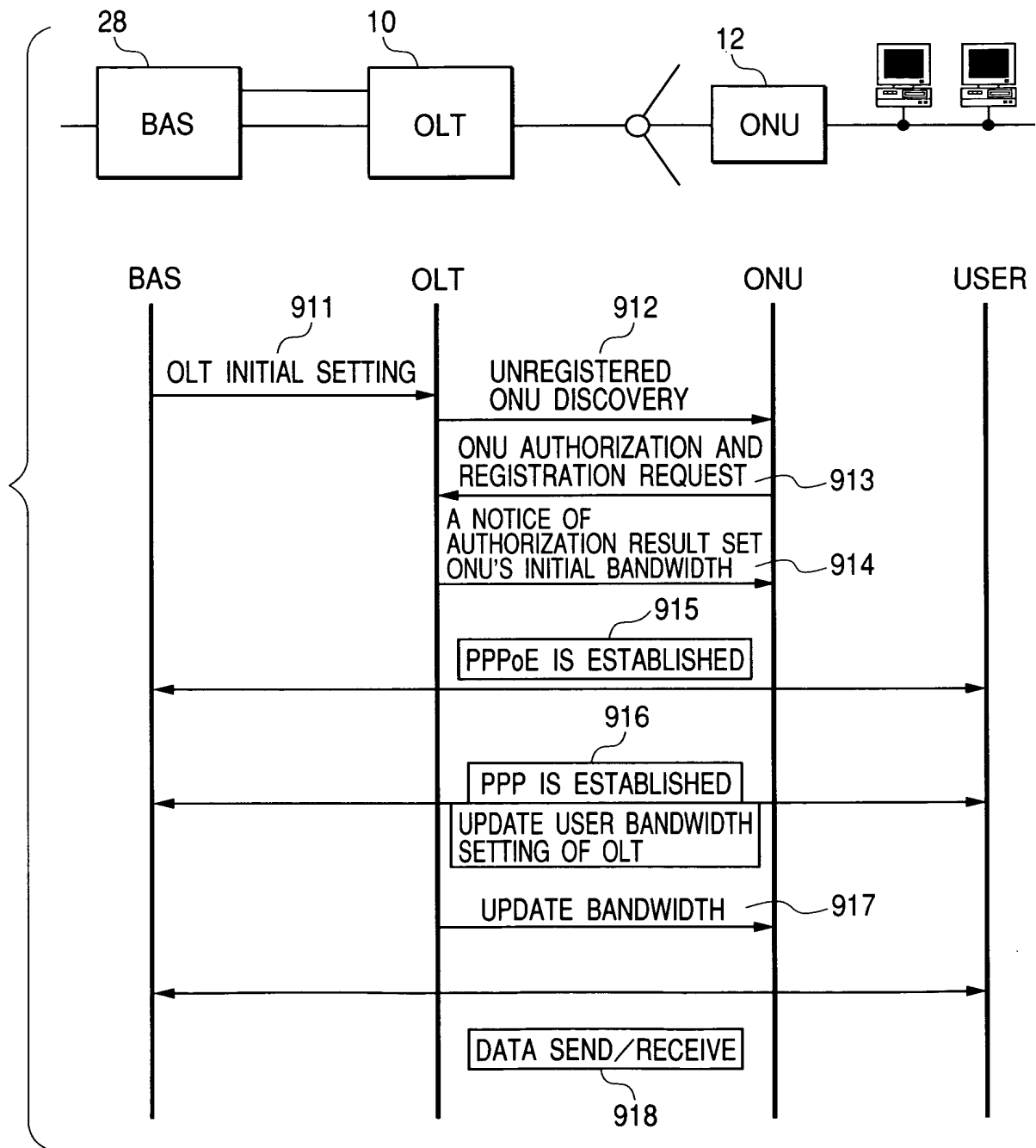


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FIG. 23

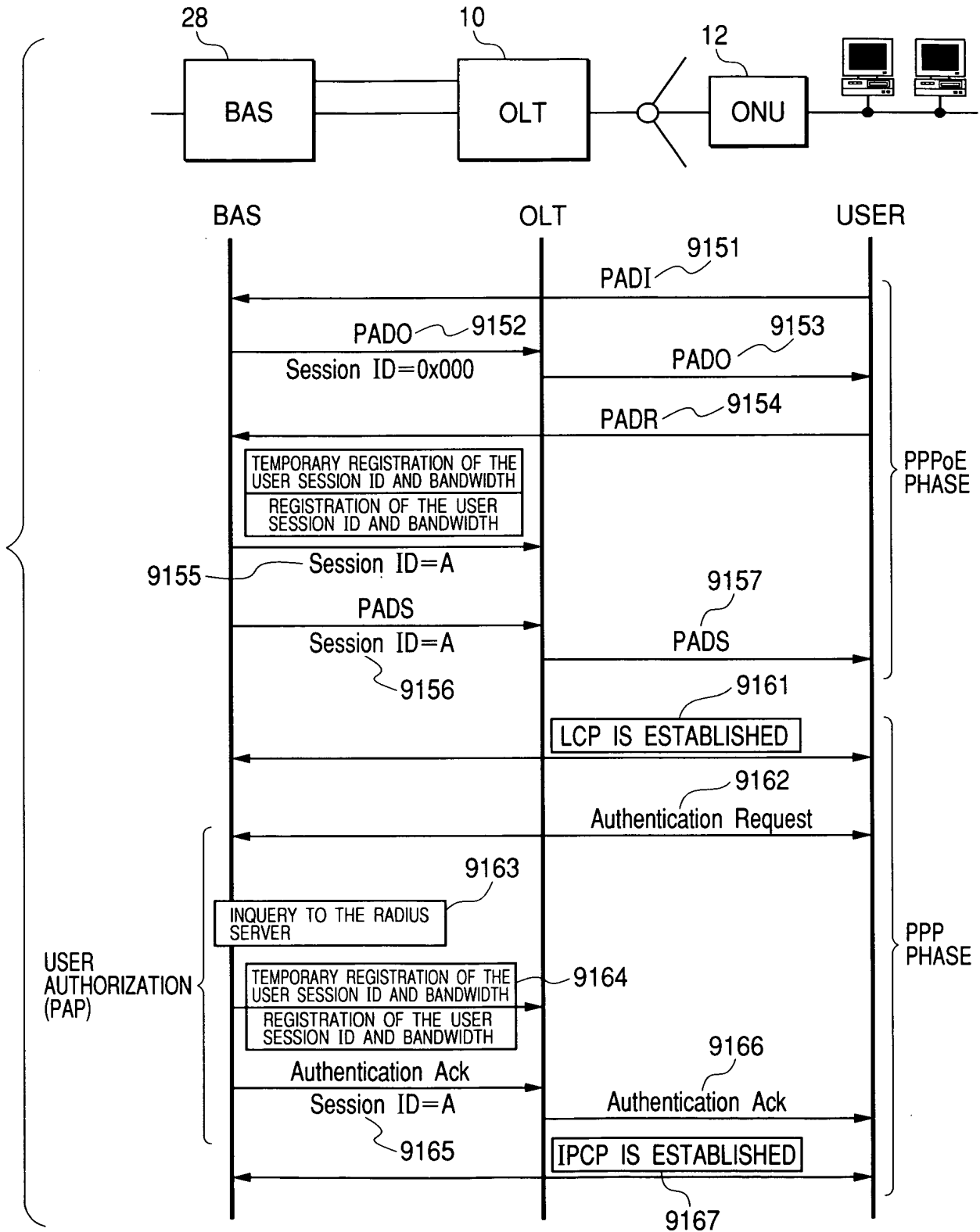
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FIG. 24

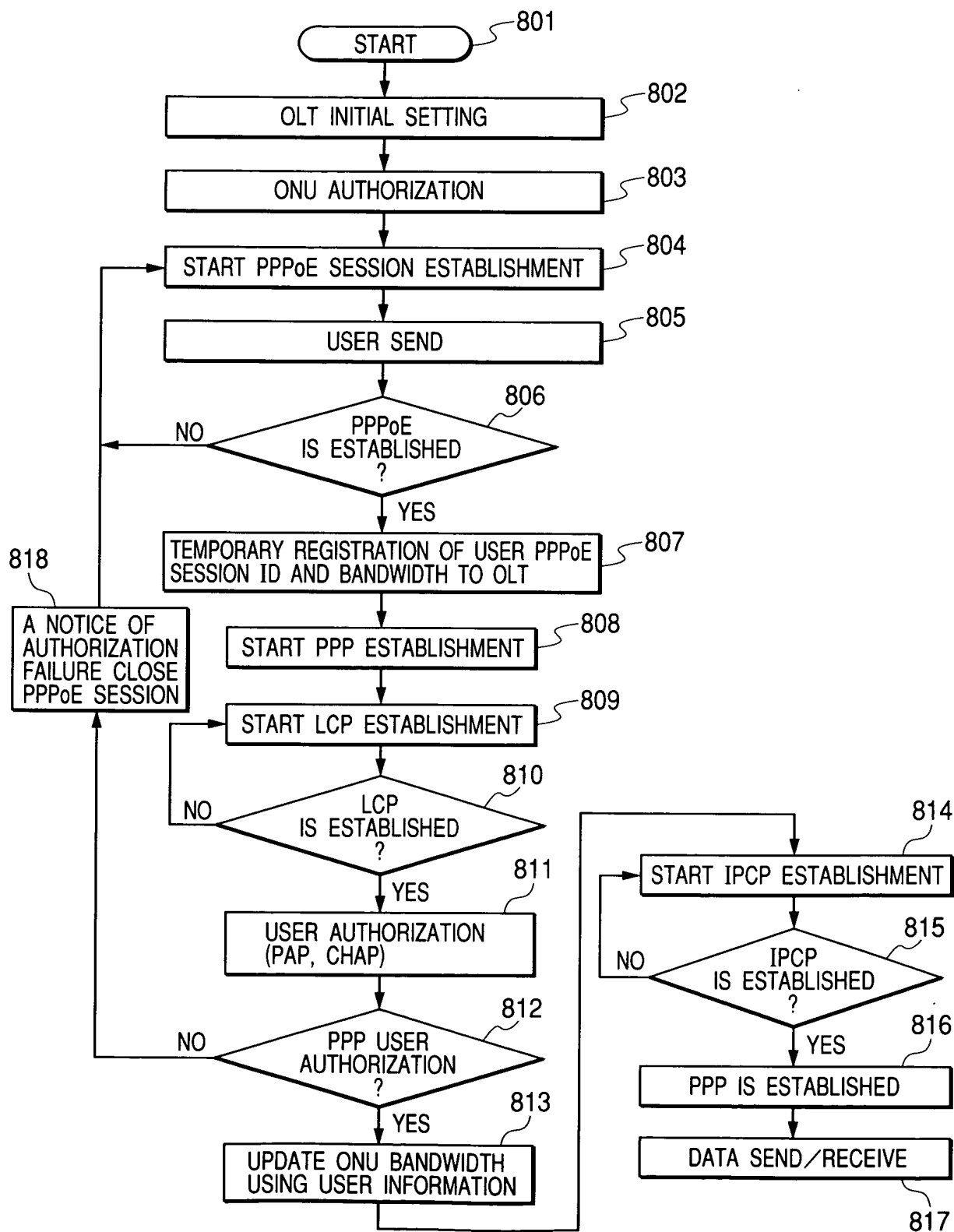


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FIG. 25



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FIG. 26

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FIG. 27

ATTRIBUTE	ATTRIBUTE NUMBER	VALUE	(NOTE)
User-Name	1	test	
User-Password	2	testpasswd	
Framed-Protocol	7	1	PPP
Framed-IP-Address	8	192.168.1.1	
Framed-IP-Netmask	9	255.255.255.0	
Vender-Specific	26	20	DOWNSTREAM BANDWIDTH
(Not assigned)	17	1	UPSTREAM BANDWIDTH